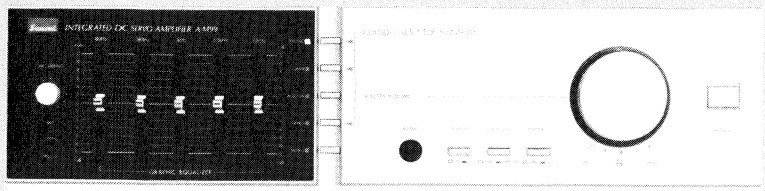
# SERVICE MANUAL

## INTEGRATED SERVO AMPLIFIER

# SANSUI A-M99



## CAUTION

1. Parts identified by the ⚠ symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. Make leakage-current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

Sansui

SANSUI ELECTRIC CO., LTD.

## •Specifications

**Power output**
Min. RMS, both channels driven, from 20 to 20,000 Hz with no more than 0.07% total harmonic distortion.
70 watts per channel into 8 ohms.
**Load impedance**..... 8 ohms
**Total harmonic distortion**
..... less than 0.07% at or below rated min. RMS power output
**Frequency response** (at 1 watt)
..... 10 to 60,000 Hz/+0.5 dB, −2 dB
**RIAA curve deviation** (PHONO, 30 Hz to 20 kHz)
..... +0.5 dB, −0.5 dB
**Input sensitivity and impedance** (1 kHz, for rated power output))
PHONO..... 2.5 mV/47 kilohms
(Max. input capability: 150 mV at 1 kHz, less than 0.5% total harmonic distortion)
TUNER, TAPE PLAY (1, 2), AUX/DA
..... 150 mV/47 kilohms
MIC ..... 0.5 mV/10 kilohms
**Output level** (1 kHz)
TAPE REC..... 150 mV into 47 kilohms
**Signal to noise ratio** (short-circuit, A-network)
PHONO..... 72 dB
TUNER, TAPE PLAY (1, 2), AUX/DA
..... 100 dB
**Power requirements**
Power voltage..... 120/220/240 V (50/60 Hz)
For U.S.A. & Canada 120 V (60Hz)
Power consumption.... 230 watts 280 VA Rated
350 watts Maximum
**Dimensions**..... 345 mm (13-5/8") W
111 mm (4-3/8") H
234 mm (9-1/4") D
**Weight**..... 5.4 kg (11.9 lbs.) net
6.2 kg (13.7 lbs.) packed

* **Design and specifications subject to change without notice for improvements.**

# CAUTION

1. The symbols, UL, CSA, BS, UK, EU, AS and XX on the parts list and the schematic diagram mean followings respectively.

   UL..... Manufactured for U.S.A market.
   (Underwriters Laboratories approved model.)
   CSA..... Manufactured for Canadian market.
   BS, UK ..... Manufactured for United Kingdom market.
   EU ..... Manufactured for European market.
   AS..... Manufactured for Australian market.
   XX..... Standard Version.
   NON MARK ..... Common Parts.

2. Some printed circuit boards are not supplied as the assembled. To separate these in this service manual, the stock No's are not indicated at the ends of the board names. However, the individual parts on the circuit boards are provided by orders.

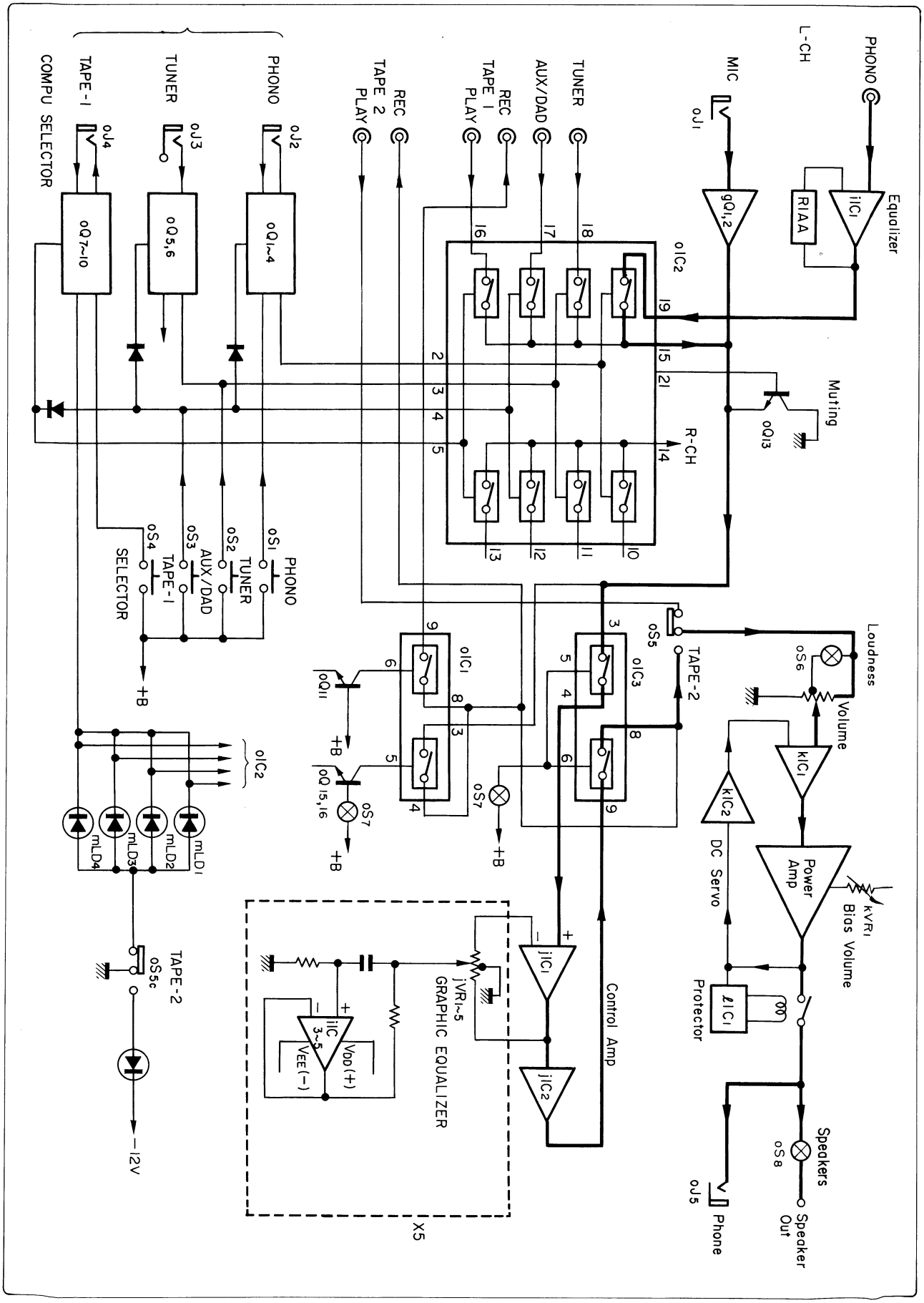
3. Since some of capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors & resistors, which was issued on February 1983.

4. Abbreviations in this service manual are as follows.

•Abbreviations List

| | | | |
|---|---|---|---|
| C.R. | : Carbon Resistor | E.B. | : Bi-Polar Electrolytic Capacitor |
| S.R. | : Solid Resistor | E.B.L. | : Low Leak Bi-Polar Electrolytic Capacitor |
| Ce.R. | : Cement Resistor | Ta.C. | : Tantalum Capacitor |
| M.R. | : Metal Film Resistor | F.C. | : Film Capacitor |
| F.R. | : Fusing Resistor | M.P. | : Metalized Paper Capacitor |
| N.I.R. | : Non-Inflammable Resistor | P.C. | : Polystyrene Capacitor |
| A.R. | : Array Resistor | G.C. | : Gimmic Capacitor |
| C.C. | : Ceramic Capacitor | A.C. | : Array Capacitor |
| C.T. | : Ceramic Capacitor, Temoerature Compensation | V.R. | : Variable Resistor |
| E.C. | : Electrolytic Capacitor | S.V.R. | : Semi Variable Resistor |
| E.L. | : Low Leak Electrolytic Capacitor | SW. | : Switch |

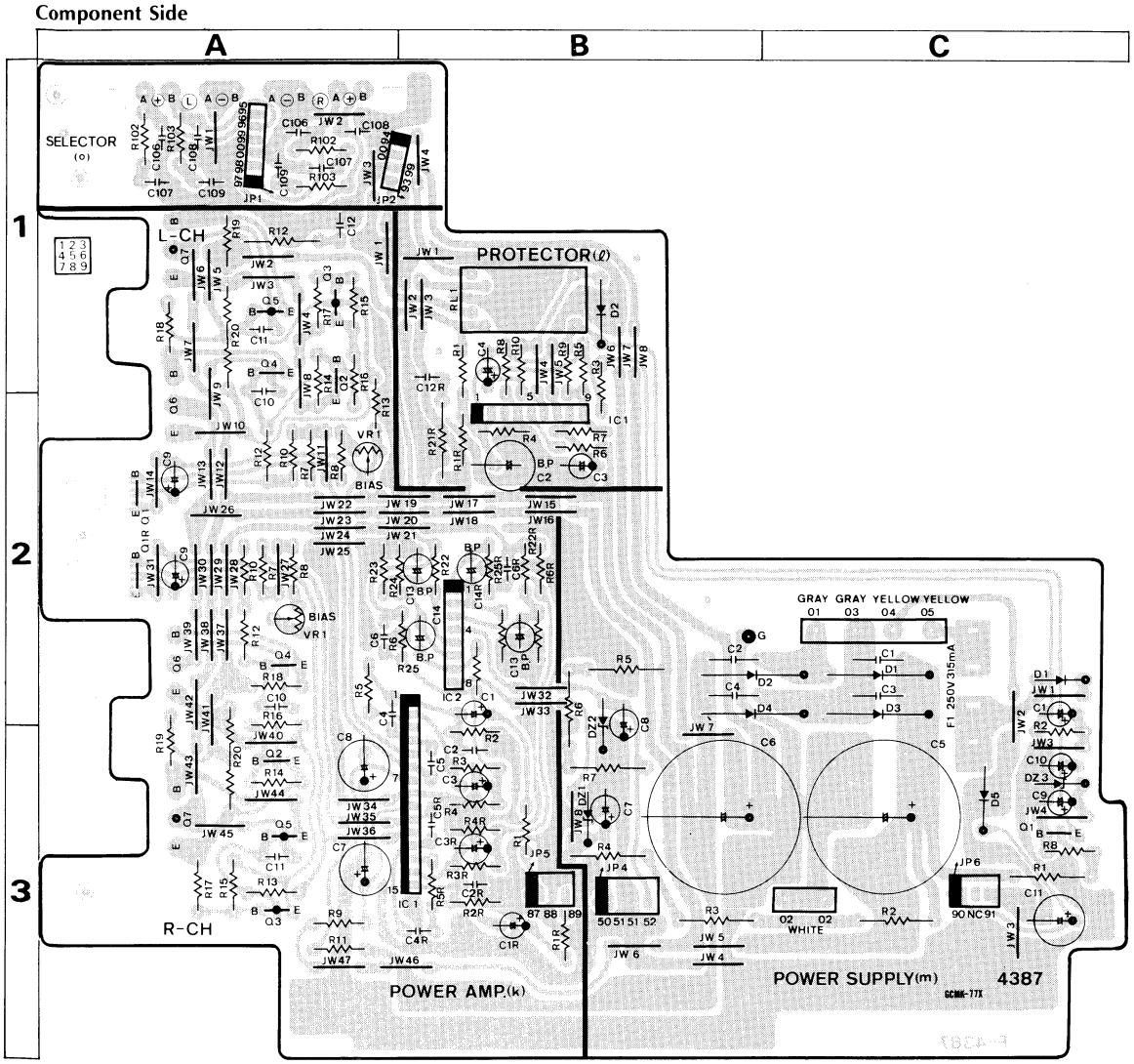
# 1. BLOCK DIAGRAM



# 2. PARTS LOCATION & PARTS LIST

## 2-1. F-4387 Power Amp. Circuit Board (Stock No. 00769501)

Component Side




### Parts List

| Parts No. | Stock No. | Description |
|---|---|---|
| •Transistor | | |
| ⚠ kQ1 | 03067401 | 2SC1845 |
| kQ2 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 |
| kQ3 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 |
| ⚠ kQ4 | 07206401 | 2SD600K |
| ⚠ kQ5 | 07206301 | 2SB631K |
| ⚠ kQ6 | 46085301 | 2SC2581 |
| ⚠ kQ7 | 46085401 | 2SA1106 |
| •IC | | |
| kIC1 | 46921800 | STK3082-2A |
| kIC2 | 46147700 | M5218L |
| ⚠ kR9 | 00135300 | 47Ω 1/2W N.I.R. |
| ⚠ kR11 | 00130900 | 100Ω 1/2W N.I.R. |
| ⚠ kR12 | 00135300 | 47Ω 1/2W N.I.R. |
| ⚠ kR13 | 00135300 | 47Ω 1/2W N.I.R. |
| ⚠ kR14 | 00130900 | 100Ω 1/2W N.I.R. |
| ⚠ kR15 | 00130900 | 100Ω 1/2W N.I.R. |
| ⚠ kR16 | 00133000 | 220Ω 1/2W N.I.R. |
| ⚠ kR17 | 00133000 | 220Ω 1/2W N.I.R. |
| ⚠ kR18 | 00132000 | 150Ω 1/2W N.I.R. |
| ⚠ kR19 | 00132000 | 150Ω 1/2W N.I.R. |
| ⚠ kR20 | 00091700 | 0.33Ω×2 5W, Ce.R. |
| ⚠ kR21 | 46241200 | 10Ω 1W N.I.R. |

### Parts List

| Parts No. | Stock No. | Description |
|---|---|---|
| kC12 | 08451000 | 10μF 16V E.B. |
| kC13 | 08450900 | 4.7μF 16V E.B. |
| kVR1 | 46633700 | 1kΩ S.V.R., Bias Volume |
| •IC | | |
| IIC1 | 46207600 | TA7317P |
| •Diode | | |
| ID1 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| ID2 | 03117700 | 10E-2 |
| IC2 | 08460200 | 220μF 6.3V E.B. |
| IRL1 | 46254900 | Relay AP24D2 |
| •Transistor | | |
| ⚠ mQ1 | 03067401 | 2SC1845 |
| •Diode | | |
| ⚠ mD1 | 03115300 | 30D2 |
| ⚠ mD2 | 03115300 | 30D2 |
| ⚠ mD3 | 03115300 | 30D2 |
| ⚠ mD4 | 03115300 | 30D2 |
| ⚠ mD5 | 03117700 | 10E-2 |

Parts List

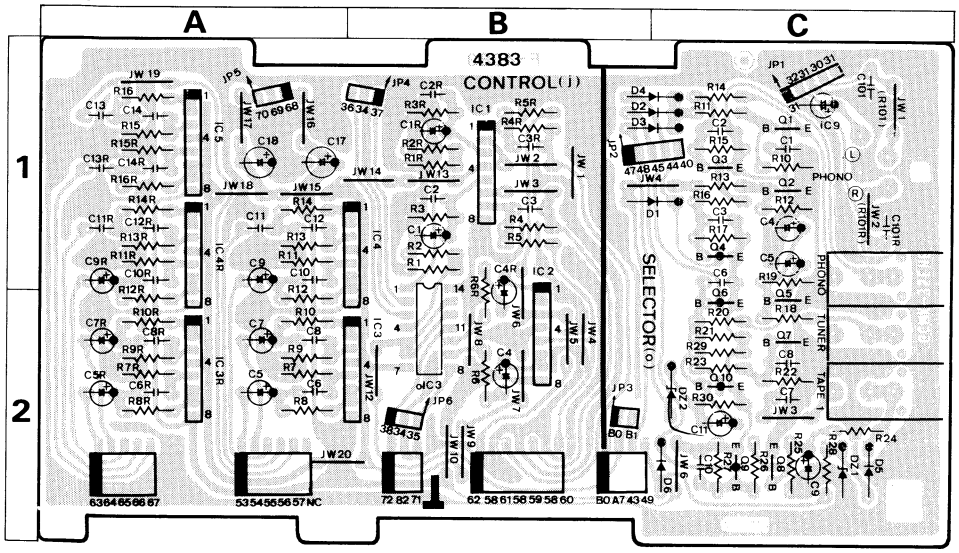
| Parts No. | Stock No. | Description |
|---|---|---|
| •Zener Diode | | |
| mDZ1 | 03170300 | RD12FB |
| mDZ2 | 03170300 | RD12FB |
| mDZ3 | 46116000 | 05Z24-Y |
| ⚠ mR1 | 46243400 | 680Ω 1W N.I.R. |
| ⚠ mR2 | 46624700 | 220Ω 2W N.I.R. |
| ⚠ mR3 | 46624700 | 220Ω 2W N.I.R. |
| ⚠ mR4 | 46624700 | 220Ω 2W N.I.R. |
| ⚠ mR5 | 46624700 | 220Ω 2W N.I.R. |
| ⚠ mR6 | 46624700 | 220Ω 2W N.I.R. |
| ⚠ mR7 | 46624700 | 220Ω 2W N.I.R. |

Parts List

| Parts No. | Stock No. | Description |
|---|---|---|
| mC1 | 08680400 | 0.01μF 500V C.C. |
| mC2 | 08680400 | 0.01μF 500V C.C. |
| mC3 | 08680400 | 0.01μF 500V C.C. |
| mC4 | 08680400 | 0.01μF 500V C.C. |
| mC5 | 08301800 | 6800μF 63V E.C. |
| mC6 | 08301800 | 6800μF 63V E.C. |
| ⚠ mF1 | 46201000 | Fuse 315 mA 250V (XX, UL, CSA) |
| ⚠ | 07184200 | Fuse 315 mA 250V (EU, BS, AS) |
| | 46364100 | 8P Speaker Terminal |

## 2-2. F-4383 Control & Compu Selector Circuit Board (Stock No. 00769101)

Component Side



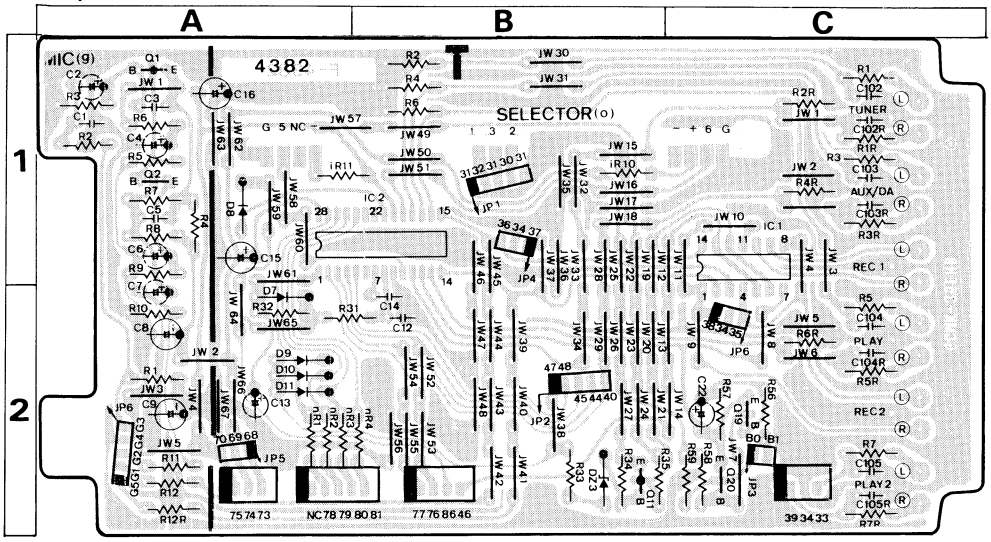

Parts List

| Parts No. | Stock No. | Description |
|---|---|---|
| •IC | | |
| jIC1 | 46147700 | M5218L |
| jIC2 | 46147700 | M5218L |
| jIC3 | 46147700 | M5218L |
| jIC4 | 46147700 | M5218L |
| jIC5 | 46147700 | M5218L |
| •Transistor | | |
| oQ1 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 |
| oQ2 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 |
| oQ3 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 |
| oQ4 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 |
| oQ5 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 |
| oQ6 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 |
| oQ7 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 |
| oQ8 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 |
| oQ9 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 |
| oQ10 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 |

| Parts No. | Stock No. | Description |
|---|---|---|
| •IC | | |
| oIC3 | 46255000 | LC4066BH |
| •Diode | | |
| oD1 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD2 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD3 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD4 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD5 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD6 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| •Zener Diode | | |
| oDZ1 | 46111200 | 05Z 5.1-Y |
| oDZ2 | 46114200 | 05Z13-Y |
| oJ2 | 46547200 | Mini Jack, PHONO |
| oJ3 | 46547200 | Mini Jack, TUNER |
| oJ4 | 46547200 | Mini Jack, TAPE-1 |
| | 46438100 | 2P Input Terminal, PHONO |

## 2-3. F-4382 Input Selector SW & MIC AMP. Circuit Board (Stock No. 00769001)

Component Side




**Parts List**

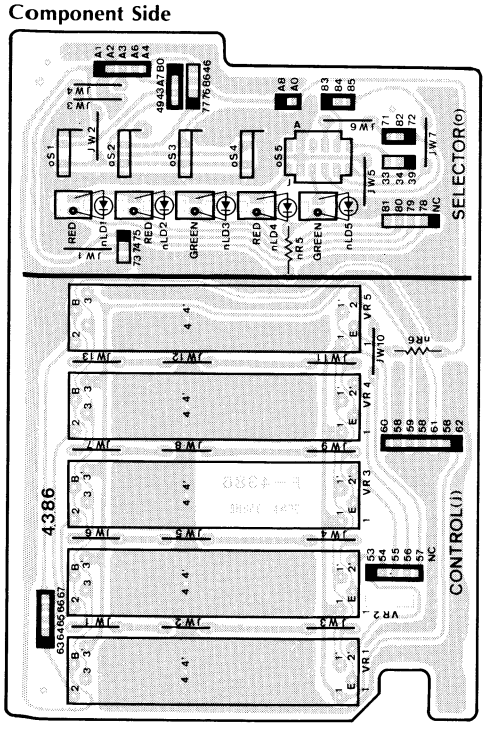
| Parts No. | Stock No. | Description |
|---|---|---|
| •Transistor | | |
| gQ1 | 46581601 | 2SA992 |
| gQ2 | 46577801 | 2SC2320L |
| oQ11 | 46367201 | 2SA1048 |
| | or 46367001 | 2SA1115 |
| •IC | | |
| oIC1 | 46255000 | LC4066BH |
| oIC2 | 46394800 | LC7815H |

**Parts List**

| Parts No. | Stock No. | Description |
|---|---|---|
| •Diode | | |
| oD7 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD8 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD9 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD10 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD11 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD23 | 46114200 | 05Z13-Y7 |
| | 46363900 | 6P Input Terminal |

## 2-4. F-4386 Function Switch Circuit Board (Stock No. 00769401)

Component Side

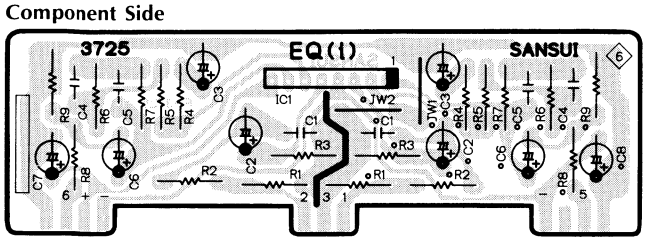



**Parts List**

| Parts No. | Stock No. | Description |
|---|---|---|
| jVR1 | 46834600 | 250kΩ Slide V.R., 80Hz |
| jVR2 | 46834600 | 250kΩ Slide V.R., 280Hz |
| jVR3 | 46834600 | 250kΩ Slide V.R., 1 kHz |
| jVR4 | 46834600 | 250kΩ Slide V.R., 3.5 kHz |
| jVR5 | 46834600 | 250kΩ Slide V.R., 12 kHz |
| •LED | | |
| nLD1 | 46176900 | TLS-123 |
| | or 46470200 | SEL2210S |
| nLD2 | 46176900 | TLS-123 |
| | or 46470200 | SEL2210S |
| nLD3 | 07250900 | TLG123A |
| | 46470300 | SEL2410E |
| nLD4 | 46176900 | TLS-123 |
| | or 46470200 | SEL2210S |
| nLD5 | 07250900 | TLG-123A |
| | or 46470300 | SEL2410E |
| oS1 | 46396700 | Push SW., PHONO |
| oS2 | 46396700 | Push SW., TUNER |
| oS3 | 46396700 | Push SW., AUX/PAD |
| oS4 | 46396700 | Push SW., TAPE-1 |
| oS5 | 46556300 | Push SW., TAPE-2 |

## 2-5. F-3725 EQ. Amp. Circuit Board

**Component Side**

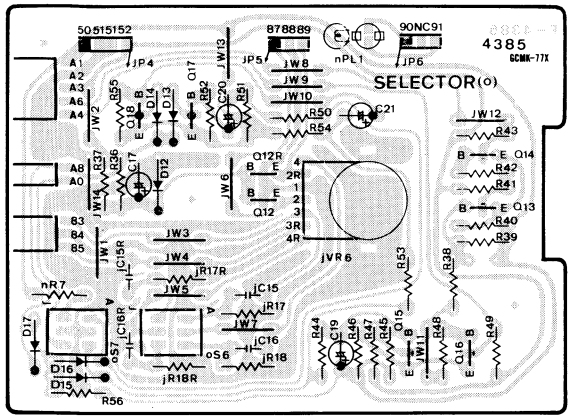



Parts List <F-3725>

| Parts No. | Stock No. | Description |
|---|---|---|
| •IC | | |
| iIC1 | 46078900 | M5218L |

## 2-6. F-4385 Master Volume Circuit Board

**Component Side**

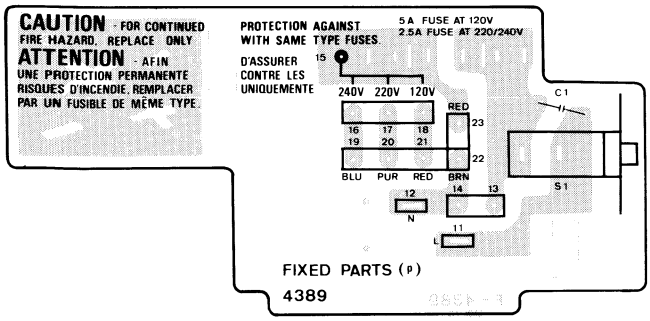



Parts List <F-4385>

| Parts No. | Stock No. | Description |
|---|---|---|
| jVR6 | 46555900 | 150kΩ 3B×2, VOLUME |
| •Transistor | | |
| oQ12 | 46367301 | 2SC2458 |
| | or 46367101 | 2SC2603 |
| oQ13 | 46367201 | 2SA1048 |
| | or 46367001 | 2SA1115 |
| oQ14 | 46367201 | 2SA1048 |
| | or 46367001 | 2SA1115 |
| oQ15 | 46367201 | 2SA1048 |
| | or 46367001 | 2SA1115 |
| oQ16 | 46367201 | 2SA1048 |
| | or 46367001 | 2SA1115 |
| oQ17 | 46367201 | 2SA1048 |
| | or 46367001 | 2SA1115 |
| oQ18 | 46367201 | 2SA1048 |
| | or 46367000 | 2SA1115 |
| •Diode | | |
| oD12 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD13 | 03117600 | 1S1473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD14 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD15 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD16 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oD17 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| oS6 | 46556400 | Push SW, Loudness |
| oS7 | 46556400 | Push SW, GRAPHIC EQUALIZER |

## 2-7. F-4389 Voltage Selector Circuit Board

**Component Side**

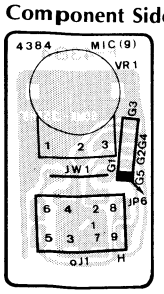

CAUTION - FOR CONTINUED FIRE HAZARD, REPLACE ONLY
ATTENTION - AFIN UNE PROTECTION PERMANENTE RISQUES D'INCENDIE, REMPLACER PAR UN FUSIBLE DE MÊME TYPE
PROTECTION AGAINST WITH SAME TYPE FUSES
D'ASSURER CONTRE LES UNIQUEMENTE
5A FUSE AT 120V
2.5A FUSE AT 220/240V
240V 220V 120V
FIXED PARTS (P)
4389

Parts List <F-4389>

| Parts No. | Stock No. | Description |
|---|---|---|
| pC1 | 46425800 | 0.01μF 400V C.C. |
| pF1 | 07188700 | Power Fuse 2.5A 250V (XX) |
| ⚠ | 07189100 | Power Fuse 5A 250V (UL, CS, XX) |
| pS1 | 46364300 | Push SW., POWER |

## 2-8. F-4384 MIC Volume Circuit Board

**Component Side**

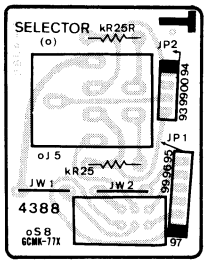



Parts List

| Parts No. | Stock No. | Description |
|---|---|---|
| gVR1 | 46834700 | 20kΩ, V.R., MIC Level |
| oJ1 | 46838700 | MIC Jack |

## 2-9. F-4388 Head Phone Jack Circuit Board

**Component Side**

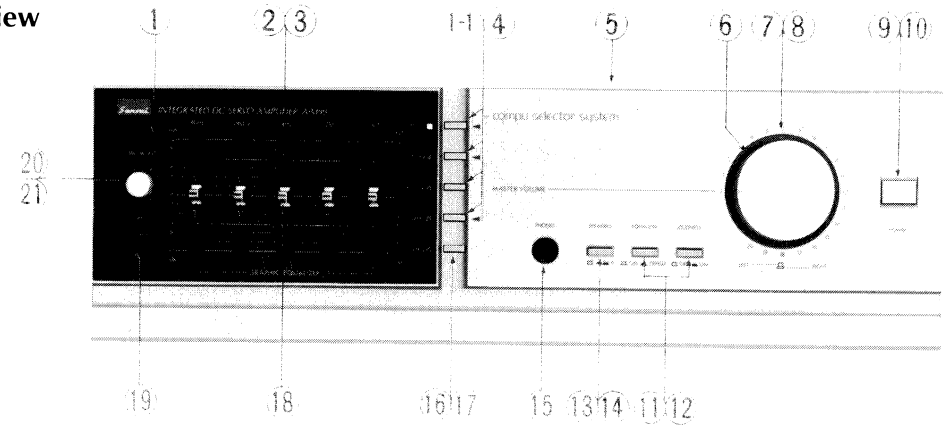



Parts List

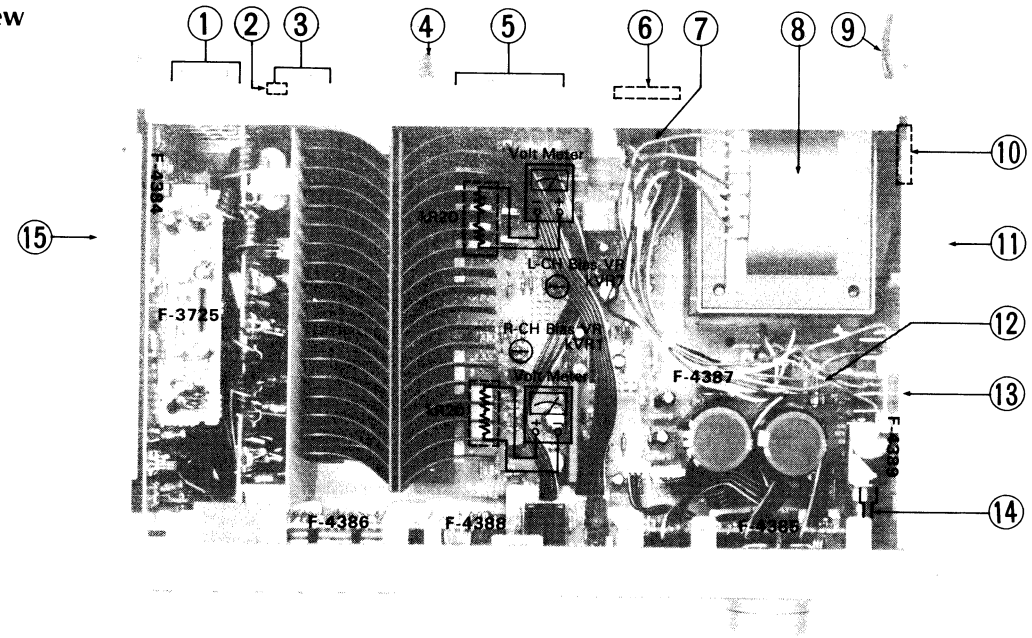
| Parts No. | Stock No. | Description |
|---|---|---|
| oS8 | 46361000 | Push SW., SPEAKERS |
| oJ5 | 24306200 | Head Phone Jack |

# 3. OTHER PARTS

## 3-1. Front View




## 3-2. Top View




**Parts List <Front View>**

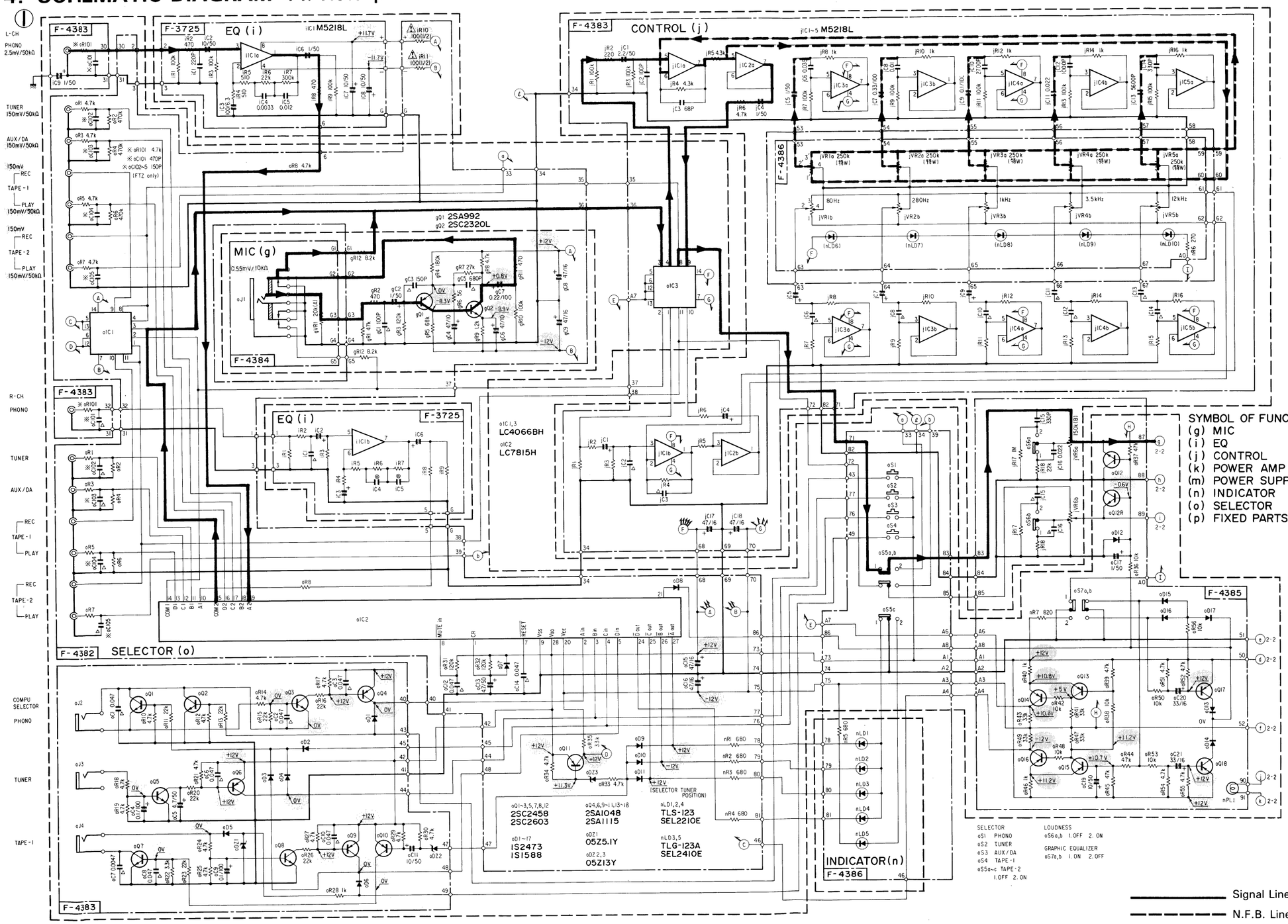
| Parts No. | Stock No. | Description |
|---|---|---|
| 1 | 47355700 | Front Panel Ass'y (with Push Knob 1-1 , PHONO•TUNER•AUX/DA•TAPE) |
| 2 | 47380300 | Slide Knob, GRAPHIC EQUALIZER |
| 3 | 46834600 | 250kΩ×2 Slide V.R., GRAPHIC EQUALIZER |
| 4 | 46396700 | Push SW., PHONO•TUNER•AUX/DA•TAPE-1 |
| 5 | 47464900 | Bonnet (XX, UL, CS) |
| | 47484800 | Bonnet (EU, BS, AS) |
| 6 | 47355500 | Knob, MASTER VOLUME (Right) |
| 7 | 47355400 | Knob, MASTER VOLUME (Left) |
| 8 | 46555900 | 150kΩ(B)×2 V.R., MASTER VOLUME |
| 9 | 47157800 | Push Knob, POWER |
| 10 | 46364300 | Push SW., POWER |
| 11 | 47351500 | Push Knob, LOUDNESS•EQUALIZER |
| 12 | 46556400 | Push SW., LOUDNESS•EQUALIZER |
| 13 | 47318300 | Push Knob, SPEAKERS |
| 14 | 46361000 | Push SW., SPEAKERS |
| 15 | 24306200 | Jack, PHONES |
| 16 | 47351400 | Push Knob, TAPE-2 |
| 17 | 46556300 | Push SW., TAPE-2 |
| 18 | 46176900 | L.E.D TLS-123 (Red), GRAPHIC EQUALIZER |
| | or 46470200 | L.E.D SEL2210S (Red),GRAPHIC EQUALIZER |
| 19 | 46838700 | Jack, MIC |
| 20 | 47395500 | Knob, MIC |
| 21 | 46834700 | 20kΩ(A) V.R., MIC |

**Parts List <Top View>**

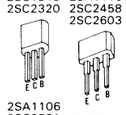
| Parts No. | Stock No. | Description |
|---|---|---|
| 1 | 46363900 | 6P Input/Output Terminal Board, TUNER•AUX/DA•TAPE-1•TAPE-2 |
| 2 | 46547200 | Mini Jack, COMPU SELECTOR |
| 3 | 46438100 | 2P Input Terminal Board, PHONO |
| 4 | 22301510 | Ground Terminal |
| 5 | 46364100 | 8P Output Terminal Board, SPEAKERS |
| ⚠ 6 | 07204700 | Slide SW., Voltage Selector (Eu•BS•AS) |
| ⚠ 7 | 46365000 | AC OUTLETS (XX•UL•CSA) |
| ⚠ | 46161000 | AC OUTLETS (EU) |
| ⚠ | 46364800 | AC OUTLETS (BS) |
| ⚠ | 46580600 | AC OUTLET (AS) |
| ⚠ 8 | 15014301 | Power Transfomer (XX) |
| ⚠ | 15014302 | Power Transformer (UL•CSA) |
| ⚠ | 15014305 | Power Transformer (EU•BS•AS) |
| ⚠ 9 | 38005700 | Power Supply Cord (XX•UL) |
| ⚠ | 46407700 | Power Supply Cord (CSA) |
| ⚠ | 38004500 | Power Supply Cord (EU) |
| ⚠ | 38004300 | Power Supply Cord (BS) |
| ⚠ | 07204200 | Power Supply Cord (AS) |
| 10 | 47157300 | Cord Cover |
| 11 | 47174920 | Side Panel (Right) |
| ⚠ 12 | 46201000 | Fuse 315mA 250V (XX•UL•CSA) |
| ⚠ | 07184200 | Fuse 315mA 250V (EU•BS•AS) |
| ⚠ 13 | 07189100 | Fuse 5.0A 250V <120V> (XX•UL•CSA) |
| ⚠ | 07188700 | Fuse 2.5A 250V <220/240V> (XX) |
| ⚠ | 07185000 | Fuse 2.0A 250V (EU•BS•AS) |
| 14 | 47351200 | Joint Shaft |
| 15 | 47174800 | Side Panel (Left) |

# 4. SCHEMATIC DIAGRAM 4-1. Pre Amp. Section

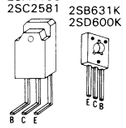
*Design and specifications subject to change without notice for improvement.
*La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
*Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



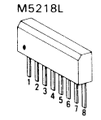

2SA992 2SA1048
2SC1845 2SA1115
2SC2320 2SC2458
2SC2603



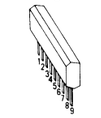
2SA1106 2SB631K
2SC2581 2SD600K



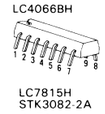
M5218L



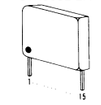
TA7317P



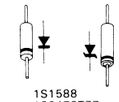
LC4066BH



LC7815H
STK3082-2A



SEL2210S 05Z5.1-Y
SEL2410E 05Z13Y
TLG123A 05Z24-Y
TSL-123 RD12FB

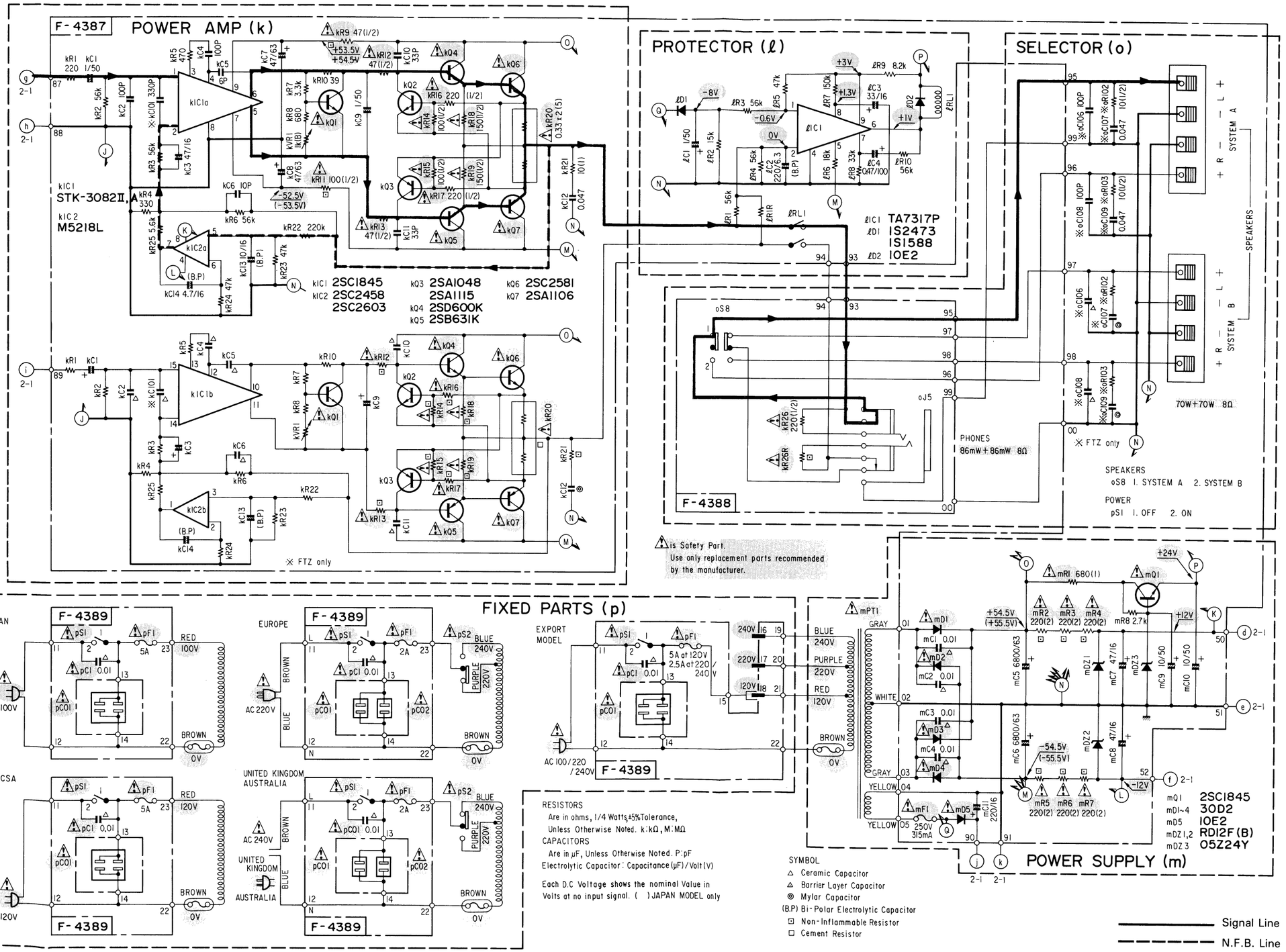


1S1588
1S2473T77
10E-2
30D-2

| A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|

## 4-2. Power Amp. Section

*Design and specifications subject to change without notice for improvement.
*La présention et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
*Anderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.




2SA992 2SA1048
2SC1845 2SA1115
2SC2320 2SC2458
2SC2603

2SA1106
2SC2581
2SB631K
2SD600K

M5218L

TA7317P

LC4066BH

LC7815H
STK3082-2A

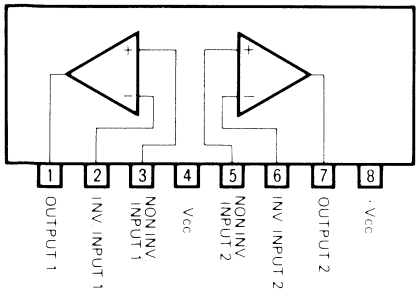
SEL2210S 05Z5.1-Y
SEL2410E 05Z13Y
TLG123A 05Z24-Y
TSL-123 RD12FB

1S1588
1S2473T77
10E-2
30D-2

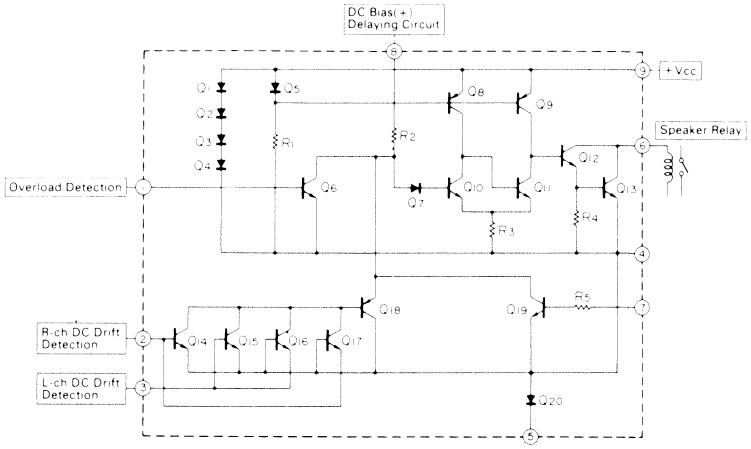
1 2 3 4 5

# 5. INTERIOR BLOCK DIAGRAM OF IC

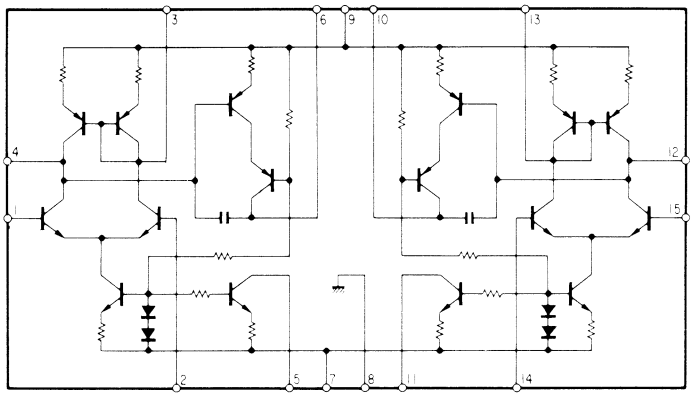
•M5218L (Audio PRE Amp. IC)



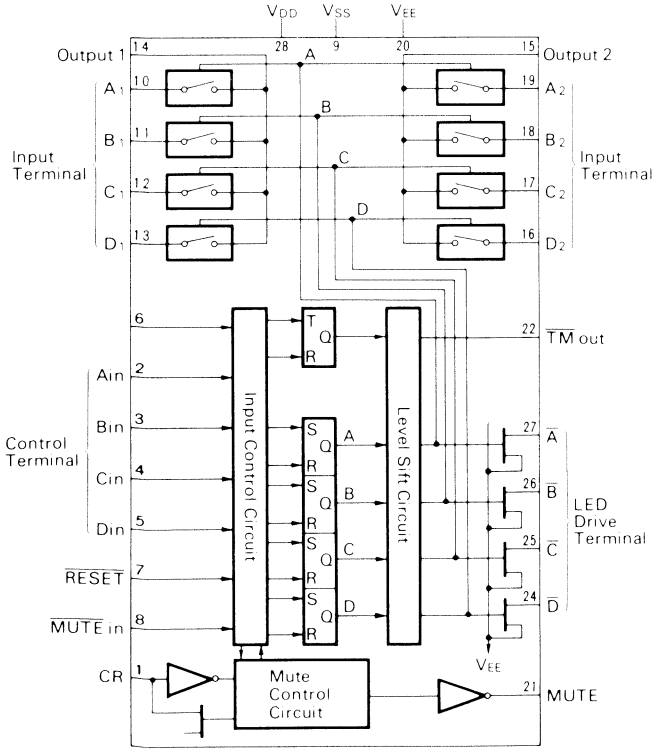

•TA7317P (Protector IC)



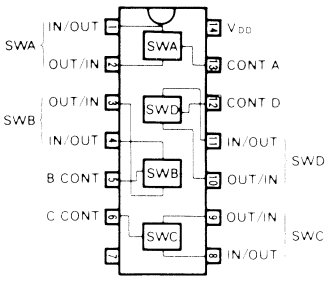

•STK3082-2A (Voltage Amplifier IC)

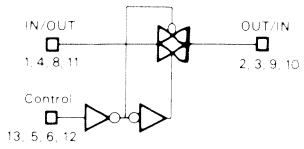


•LC7815H Analog Function Switch IC




•LC4066BH Quad Bilateral Switch IC




*LC7815H

| Condition of control input terminals Port (Pin No.) | | | | Connected input terminal to output 1 and 2 terminals | | Connected terminal to LED indicator |
|---|---|---|---|---|---|---|
| Ain (2) | Bin (3) | Cin (4) | Din (5) | PORT (Pin No.) | PORT (Pin No.) | PORT (Pin No.) |
| H | * | * | * | A1 (10) | A2 (19) | A (27) |
| L | H | * | * | B1 (11) | B2 (18) | B (28) |
| L | L | H | * | C1 (12) | C2 (17) | C (25) |
| L | L | L | H | D1 (13) | D2 (16) | D (24) |

H: H level L: L level *: Don't care

# 6. BIAS CURRENT ADJUSTMENT (See Top View on Page 7)

**Note:**
1. Room Temperature ..... 18°C ~ 28°C
2. For adjustment, run the unit for more than 3 minutes after the power is switched on.
3. Before turning ON POWER switch, turn kVR1 on F-4387 fully counterclockwise.

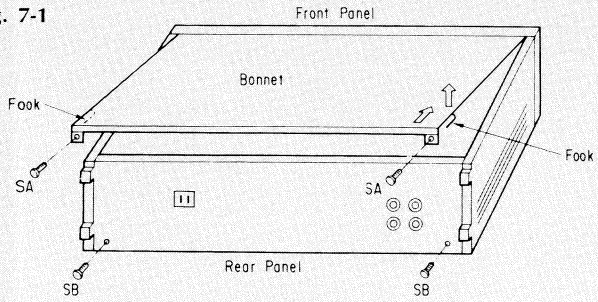
| STEP | SUBJECT | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS |
|---|---|---|---|---|---|
| 1. | L-CH | Connect DC volt meter between emitters of kQ6, kQ7 on F-4387 | kVR1 (L-CH) F-4387 | DC 3.3mV | This bias current adjustment converts current value into voltage by ohms law |
| 2. | R-CH | Same as above | kVR1 (R-CH) F-4387 | DC 3.3mV | |

# 7. MAIN PARTS REPLACEMENT

## A. Bonnet (See Fig. 7-1)

1) Remove two screws SA.
2) Push the rear side of the bonnet to remove the hooks and then remove bonnet.

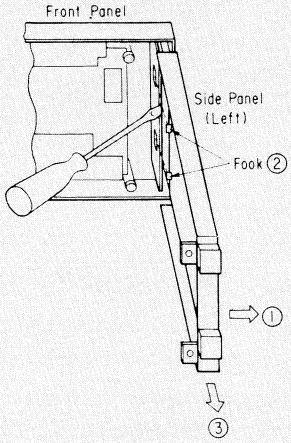
Fig. 7-1




## B. Side Panel L(R) (See Fig. 7-1 & 7-2)

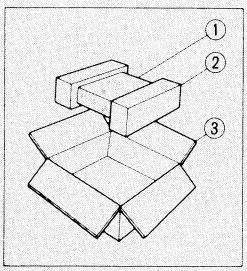
1) Remove the bonnet and two screws SB.
2) Shift the position of the side panel L(R) 1.5 cm in the arrow direction.
3) Remove the hooks ② of the side panel from front panel and then pull it to the arrow direction ③ to remove the side panel L(R) (Fig. 7-2).

Fig. 7-2




# 8. PACKING LIST

| Parts No. | Stock No. | Description |
|---|---|---|
| 1 | 09453300 | Vinyl Cover |
| 2 | 47187620 | Styrofoam Packing |
| 3 | 47355200 | Carton Case |




# 9. ACCESSORY LIST

| Parts No. | Stock No. | Description |
|---|---|---|
| 1 | 46797700 | Operating Instruction |

Sansui

SANSUI ELECTRIC CO., LTD.: 14-1, Izumi 2-chome, Suginami-ku, Tokyo 168 Japan
PHONE: (03) 324-8891/TELEX: 232-2076 (International Division)
SANSUI ELECTRONICS CORPORATION: 1250 Valley Brook Ave. Lyndhurst, N.J. 07071 U.S.A.
17150 South Margay Ave. Carson, California 90746 U.S.A.
3306 Koapaka 5t. Honolulu, Hawaii 96819 U.S.A.
SANSUI ELECTRONICS (U.K.) LTD.: Unit 10A, Lyon Industrial Estate, Rockware Avenue, Geenford, Middx UB6, 0AA, England
SANSUI ELECTRONICS G.M.B.H.: Pau Ehrich Strasse 8, 6074 Rödermark 2, West Germany

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